

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

Sheet 1 of 8

9908.420CIP

SERIAL NO. 810,002

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Frederick S. Hagen et al.

FILING DATE

December 16, 1985

GROUP

128

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Km	AA	4,456,591	6/26/84	Thomas			
Km	AB	4,459,288	7/10/84	Thomas			
Km	AC	4,382,083	5/3/83	Thomas			
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AUG 12 1986

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SEP 11 1986

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
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	AN							
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Km	AR	D.S. Anson et al., "Expression of Active Human Clotting Factor IX from Recombinant DNA Clones in Mammalian Cells", Nature 315:683-685, 1985.
Km	AS	S. Bushy et al., "Expression of Active Human Factor IX in Transfected Cells", Nature 316:271-273, 1985.
Km	AT	G.G. Brownlee et al., "Clotting Factor VIII Cloned", Nature 312:326-330, 1984.

EXAMINER

Karen Maurey

DATE CONSIDERED

2/13/87

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KM	AR	J. Gitschler et al., "Characterization of the Human Factor VIII Gene", Nature 312:326-330, 1984.
KM	AS	W. Wood et al., "Expression of Active Human Factor VIII from Recombinant DNA Clones", Nature 312:330-337, 1984.
KM	AT	G.A. Vehar et al., "Structure of Human Factor VIII", Nature 312:337-342, 1984.

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Km	AR	J.J. Toole et al., "Molecular Cloning of a cDNA Encoding Human Anti-Haemophilic Factor", <u>Nature</u> 312: 342-347, 1984.
Km	AS	W. Kiesel et al., "Enzymological Aspects of Blood Coagulation", <u>Behring Inst. Mitt.</u> 73:29-42, 1983.
Km	AT	U. Hedner et al., "Use of Human Factor VIIa in the Treatment of Two Hemophilia A Patients with High-Titer Inhibitors", <u>J. Clin. Invest.</u> 71:1836-1841, 1983.

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Km	AR	B.A. McMullen et al., "The Occurrence of Beta-Hydroxyaspartic Acid in the Vitamin K-Dependent Blood Coagulation Zymogens", Biochem. Biophys. Res. Comm. 115:8-14, 1983.
Km	AS	M. Zur et al., "The Esterase Activity of Coagulation Factor VII", J. Biol. Chem. 253:2203-2209, 1978.
Km	AT	K. Kurachi et al., "Isolation and Characterization of a cDNA Coding for Human Factor IX", Proc. Natl. Acad. Sci. USA 79:6461-6464, 1982.

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KM	AR	R.G. DiScipio et al., "A Comparison of Human Prothrombin, Factor IX (Christmas Factor), Factor X (Stuart Factor), and Protein S", <u>Biochem.</u> 16:698-706, 1977.
KM	AS	E.W. Davie et al., "Cloning of Vitamin K-Dependent Clotting Factors", in Calcium Binding Proteins, B. de Bernard et al. (ed.), Elsevier Science Publishers, pp. 45-52, 1983.
KM	AT	L.V.M. Rao et al., "Purification of Human Factor VII Utilizing $\alpha$ -(Diethylaminoethyl)-Sephadex and Sulfopropyl-Sephadex Chromatography", <u>Anal. Biochem.</u> 136:357-361, 1984.

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KM	AR	W. Kiesel et al., "Isolation and Characterization of Human Factor VIIa", <u>Thromb. Res.</u> 22:375-380, 1981.
KM	AS	K. Katayama et al., "Comparison of Amino Acid Sequence of Bovine Coagulation Factor IX (Christmas Factor) with that of Other Vitamin K-Dependent Plasma Proteins", <u>Proc. Natl. Acad. Sci. USA</u> 76:4990-4994, 1979.
KM	AT	E.W. Davie et al., "Basic Mechanisms in Blood Coagulation", <u>Ann. Rev. Biochem.</u> 44:799-824, 1975.

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KM	AR	G.A. Vohar et al., "Bioengineering of Blood Plasma Proteins", <u>Scand. J. Haematol.</u> (Suppl. 40) 33:45-51, 1984.
KM	AS	R. Flengsrud, "Purification and Some Characteristics of the Human Coagulation Factor VII", <u>Eur. J. Biochem.</u> 98:455-464, 1979.
KM	AT	K.H. Choo et al., "Molecular Cloning of the Gene for Human Anti-Haemophilic Factor IX", <u>Nature</u> 299:178-180, 1982.

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KM	AR	D.S. Anson et al., "The Gene Structure of Human Anti-Haemophilic Factor IX", EMBO J. 3:1053-1060, 1984.
KM	AS	G.J. Broze et al., "Purification and Properties of Human Coagulation Factor VII", J. Biol. Chem. 255:1242-1247, 1980.
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